

# GENERON

**Job Title:** Process Applications Engineer  
**Department:** Sales  
**Reports To:** General Manager - Membranes

## SUMMARY

The Process Applications Engineer works in a team at Generon IGS which is dedicated to provide our customers with technical solutions for gas separation in the fields of e.g. Hydrogen-Purification and -Recovery, Helium- Purification and -Recovery, Oxygen Generation, Biogas upgrading (RNG) and CO<sub>2</sub>-Removal from Natural Gas. The candidate works in our Houston facility with other Engineers, Salespeople and Designers and builds the bridge between Engineering and Sales and is in charge to select, tailor or develop the feasible technologies for the customers gas separation opportunity.

The duties as listed below, include the support of the Sales Team by participating in customer meetings, interpretation of client specifications and requirements, research and design of the feasible gas separation technology for the customers gas separation problem, and communication of this technology through a proposal, drawings, support documents like P&I-D, PFD, Layout and GA, as well as written procedures, and verbal discussions with various departments.

## ESSENTIAL DUTIES AND RESPONSIBILITIES

A successful candidate will be able to carry out below duties:

- ✓ Read, understand, and organize customer project and process specifications to select and determine the feasible gas separation system utilizing GENERON® Membrane and PSA (Pressure Swing Adsorption) technology incl. pre-treatment and compression packages as well as heat management equipment.
- ✓ Performs process simulations for gas separation systems and GENERON products and technologies.
- ✓ Apply technical knowledge, calculations, and/ or conducting research for specific equipment, manufacturers, and products.
- ✓ Attend meetings with Clients, Engineers and Designers
- ✓ Generate Technical Sales proposals and answer technical questions.
- ✓ Assist Engineering with standardization of key components, as well as implementing product improvements.
- ✓ Interact with Purchasing department to determine equipment pricing for project opportunities and/or process standards.
- ✓ Understand and prioritize work-load to meet customer expectations.
- ✓ Work on multiple projects and multi-level tasks, where priorities may shift occasionally.
- ✓ Understand and adhere to all company health and safety procedures as they relate to essential job functions.

## QUALIFICATIONS / EXPERIENCE

- ✓ Minimum Bachelor's Degree in Engineering – Process Engineering or Mechanical Engineering or Chemical Engineering or equivalent
- ✓ 5 to 10 years work experience
- ✓ Good knowledge in Gas phase separation processes
- ✓ An innovative thinker with passion for Engineering, Customer Support and problem solving skills

## SUPERVISORY RESPONSIBILITIES

This position has no regular supervisory responsibilities, but occasionally may oversee drafting, design, or engineering project specific duties.

**EDUCATION**

Accredited degree in Engineering – Process or Mechanical or Chemical preferred

**LANGUAGE SKILLS**

Must be able to speak, read, and write fluent English.

**REASONING ABILITY**

Maintain the ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Maintain the ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

**INTERPERSONAL SKILLS**

Successful candidates will have a professional attitude and appearance and be able to work professionally with different departments and levels of skilled associates; including, but not limited to, manufacturing personnel, engineers, salespeople, procurement, suppliers, and clients.

**TRAVEL**

Occasional Travel maybe required for Client visits, Trade shows, Conferences and Site works.

**CERTIFICATES, LICENSES, REGISTRATIONS**

There are no certificates, licenses, or registrations required for this job.

**PHYSICAL DEMANDS**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job, including, but not limited to; the employee is regularly required to sit; reach with hands or arms; talk and hear. The employee is regularly required to stand and walk. The employee may occasionally be required to lift or move up to 30 lbs. Vision abilities required by this job include close vision, distance vision, color vision, depth perceptions, and the ability to adjust focus on moving objects.

**WORK ENVIRONMENT**

The work environment characteristics described here are representative of this job, including, but not limited to; Desk operations in a business environment, occasional or temporary walking through or working in a manufacturing area, where closed-toe shoes and eye protection will be required, as well as occasional outdoor exposure, where weather appropriate attire should be considered. While performing the duties of this job, the employee is exposed to moderate noise level.

**BENEFITS**

Competitive Salary, 401K, Medical for family, HSA are provided.